FDLE
Alcohol Testing Program

INSTRUMENT PROCESSING SHEET

Agency Manatee County SO S/N 80-006559

Date In 12/22/15 Date Out 1/6/16 ☒ Ship ☐ P/U ☐ H/D ☐ CMI ☐ EE

RECEIVED JAN 07 2016 FDLE Alcohol Testing Program

Intake Performed By TR

- ☑ Registration
- ☑ Annual
- ☐ Return from CMI
- ☐ Return from Enforcement Electronics
- ☐ Other

Visual Inspection:

- OK Case
- OK Dry Gas Holder
- OK Keyboard/Plug
- OK Screws tight
- OK Handle
- OK Feet
- OK Back/Plugs
- OK Breath Hose

Other Equipment:

- ☑ Power cord
- ☐ Printer Cable
- ☑ Other Static Bag

Notes: Extra power cord/car charger

Quality Checks Performed By PWS

- ☒ Breath Tube Screen
- ☒ Replace O-Rings
- ☒ Instrument Set Up Verified
- ☒ R-Value 199
- ☒ Flow Verification (L/s)
  - Flow Column # ATP103
  - 32mm 164 (.139 - .169)
  - 36mm 183 (.156 - .190)
  - 53mm 250 (.228 - .278)
  - 103mm 519 (.447 - .547)
- ☒ Barometric Pressure Check
  - Gauge ID # 282662
- ☒ Stability Checks

Simulator	Serial #	Lot #/Exp
0.05	SD1018	201507A 7/14/17
0.08	SD1011	201502G 2/24/17
0.20	SD1025	201505A 5/12/17
0.08 DGS	N/A	AG511701 4/27/17

Flow Calibration Performed By

- ☒ Flow Calibration N/A
- ☐ Flow Calibration Complete
  - Flow Column #
  - ☐ 5L/min – 17mm
  - ☐ 15L/min – 53mm
  - ☐ 30L/min – 103mm
- ☐ R-Value
- ☐ Post Calibration Verification (L/s)
  - Flow Column #
  - 32mm (.139 - .169)
  - 36mm (.156 - .190)
  - 53mm (.228 - .278)
  - 103mm (.447 - .547)

Maintenance Performed By

- ☐ Battery Replacement
- ☐ Dry Gas Regulator Replacement
- ☐ Breath Tube Replacement
- ☐ Other

Suggested Service

Optical Bench Calibration Performed By PWS

- ☐ Optical Bench Calibration N/A
- ☒ Optical Bench Calibration Complete

Barometric Pressure Gauge 1021 ID # 28421

Simulator	Serial Number	Lot Number	Expiration
0.000	G2480	N/A	N/A
0.040	SD3962	15108	8/18/17
0.100	SD3964	15001	5/20/17
0.200	SD3933	14104	6/25/16
0.400	G2403	15105	6/10/17
0.080 DGS	N/A	090140804	5/1/16

☒ Post Calibration Stability Checks

Simulator	Serial Number	Lot Number	Expiration
0.05	SD1018	201507A	7/14/17
0.08	SD1011	201502G	2/24/17
0.20	SD1025	201505A	5/12/17
0.08 DGS	N/A	AG511701	4/27/17

Department Inspection Performed By PWS

☒ Barometric Pressure ID# 282662 — 1021 Gauge, 1020 Instrument

Mouth Alcohol Solution Lot # 2015-A

Acetone Stock Solution Lot # 2015-13

Simulator	Serial Number
0.00	SD1022
Interferent	SD1021
0.05	SD1018
0.08	SD1011
0.20	SD1025

Attachments

- ☒ Form 41
- ☒ Pre-Stability Tests
- ☐ Flow Calibration
- ☒ Optical Bench Cal
- ☒ Post-Stability Tests
- ☒ Other Form 40 Req. for Reg.

Notes: All stability values within range. Calibrated optical bench to bring values closer to nominal. (PWS)

QC - TBK

- ☒ **Instrument Complies with Chapter 11D-8, FAC**
- ☐ **Instrument Does Not Comply with Chapter 11D-8, FAC**
- ☒ **Return to/Place into Evidentiary Use**
- ☐ **Remain Out of Evidentiary Use**
- ☒ **Conduct an Agency Inspection Before Evidentiary Use**

Kathleen Murphy
Quality Control Review

1/7/16
Date

Revised November 2012

Stability Tests - Manatee CSO # 80-006559 1/6/16
Pre-Calibration

PGM

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:15
Control Test	0.051	09:16
Air Blank	0.000	09:17
Control Test	0.051	09:17
Air Blank	0.000	09:18
Control Test	0.051	09:19
Air Blank	0.000	09:19
Control Test Stats		
Average	0.0510	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

PWS
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:21
Control Test	0.079	09:21
Air Blank	0.000	09:22
Control Test	0.082	09:22
Air Blank	0.000	09:23
Control Test	0.082	09:24
Air Blank	0.000	09:24
Control Test Stats		
Average	0.0810	
Std Dev	0.0017	
Rel Std Dev(%)	2.1383	

PWS
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:26
Control Test	0.205	09:27
Air Blank	0.000	09:28
Control Test	0.207	09:28
Air Blank	0.000	09:29
Control Test	0.207	09:30
Air Blank	0.000	09:30
Control Test Stats		
Average	0.2063	
Std Dev	0.0012	
Rel Std Dev(%)	0.5596	

PWS
Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	09:35
Control Test	0.081	09:35
Air Blank	0.000	09:35
Control Test	0.080	09:36
Air Blank	0.000	09:36
Control Test	0.080	09:37
Air Blank	0.000	09:37
Control Test Stats		
Average	0.0803	
Std Dev	0.0006	
Rel Std Dev(%)	0.7187	

DGS

BK

PWS
Operator's Signature

Optical Bench
Calibration

manatee CSO
#80-006559
1/6/16

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016 13:56:52

Auto Calibration
Max Power Res Value = 100
Auto Range Res Value = 69

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12515, 9um Io = 13107
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.0200	(-0.0130)
Sample #2 =	0.0080	(-0.0040)
Sample #3 =	0.0480	(0.0040)
Sample #4 =	0.0450	(0.0100)

Avg % Abs = 0.0337 (0.0033)
STD DEV = 0.0223 (0.0070)
REL STD DEV = 66.174 (210.713)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1460	(-0.0270)
Sample #2 =	0.1240	(-0.0080)
Sample #3 =	0.1620	(-0.0230)
Sample #4 =	0.1760	(-0.0190)

Avg % Abs = 0.1540 (-0.0167)
STD DEV = 0.0269 (0.0078)
REL STD DEV = 17.472 (46.605)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12509, 9um Io = 13107
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.7230	(-0.0120)
Sample #2 =	0.7430	(0.0020)
Sample #3 =	0.6940	(0.0380)
Sample #4 =	0.7550	(0.0140)

Avg % Abs = 0.7307 (0.0180)
STD DEV = 0.0323 (0.0183)
REL STD DEV = 4.423 (101.835)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.4870	(-0.0070)
Sample #2 =	1.5150	(-0.0080)
Sample #3 =	1.5010	(0.0090)
Sample #4 =	1.5370	(0.0040)

Avg % Abs = 1.5177 (0.0017)
STD DEV = 0.0181 (0.0087)
REL STD DEV = 1.196 (524.214)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12503, 9um Io = 13105
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.7850	(-0.0100)
Sample #2 =	1.8260	(-0.0110)
Sample #3 =	1.8010	(0.0220)
Sample #4 =	1.7840	(0.0230)

Avg % Abs = 1.8037 (0.0113)
STD DEV = 0.0211 (0.0193)
REL STD DEV = 1.171 (170.715)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5290	(-0.0020)
Sample #2 =	3.5800	(-0.0090)
Sample #3 =	3.5690	(0.0060)
Sample #4 =	3.5670	(0.0040)

Avg % Abs = 3.5720 (0.0003)
STD DEV = 0.0070 (0.0081)
REL STD DEV = 0.196 (2443.358)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12502, 9um Io = 13104
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.5150	(-0.0040)
Sample #2 =	3.4710	(0.0320)
Sample #3 =	3.5190	(0.0160)
Sample #4 =	3.4710	(0.0400)

Avg % Abs = 3.4870 (0.0293)
STD DEV = 0.0277 (0.0122)
REL STD DEV = 0.795 (41.660)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.6390	(0.0020)
Sample #2 =	6.6510	(0.0050)
Sample #3 =	6.6910	(0.0010)
Sample #4 =	6.6620	(0.0220)

Avg % Abs = 6.6680 (0.0093)
STD DEV = 0.0207 (0.0112)
REL STD DEV = 0.310 (119.469)

Sol Value = 0.400 g/210L ***
Fit value = 1.9048 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12496, 9um Io = 13102
<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	6.8010	(-0.0070)
Sample #2 =	6.8070	(0.0110)
Sample #3 =	6.8360	(-0.0100)
Sample #4 =	6.8300	(0.0140)

Avg % Abs = 6.8243 (0.0050)
STD DEV = 0.0153 (0.0131)
REL STD DEV = 0.224 (261.534)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	12.5940	(-0.0010)
Sample #2 =	12.6090	(0.0150)
Sample #3 =	12.6460	(0.0000)
Sample #4 =	12.6100	(0.0210)

Avg % Abs = 12.6217 (0.0120)
STD DEV = 0.0211 (0.0108)
REL STD DEV = 0.167 (90.139)

***** AUTO CAL DATA *****
<<<<< CHANNEL 1 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.034
Std Dev = 0.02 Rel Std Dev = 66.17
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.731
Std Dev = 0.03 Rel Std Dev = 4.42
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.804
Std Dev = 0.02 Rel Std Dev = 1.17
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.487
Std Dev = 0.03 Rel Std Dev = 0.79
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 6.824
Std Dev = 0.02 Rel Std Dev = 0.22
Zero Order Coef = -92.67
First Order Coef = 2689.63
Second Order Coef = 16.96
Standard Deviation = 32.546326

<<<<< CHANNEL 2 >>>>>
Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.154
Std Dev = 0.03 Rel Std Dev = 17.47
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.518
Std Dev = 0.02 Rel Std Dev = 1.20
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.572
Std Dev = 0.01 Rel Std Dev = 0.20
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.668
Std Dev = 0.02 Rel Std Dev = 0.31
Sol Val = 1.9048 mg/l or 0.400 g/210L
% Abs = 12.622
Std Dev = 0.02 Rel Std Dev = 0.17
Zero Order Coef = -224.00
First Order Coef = 1372.15
Second Order Coef = 12.31
Standard Deviation = 45.815792

BK

Solution Stats Quadratic Fit Chan 1		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0000
0.040	0.040	0.0005
0.100	0.101	-0.0011
0.200	0.199	0.0007
0.400	0.400	-0.0001

Solution Stats Quadratic Fit Chan 2		
Act	Fit	Residual
g/210L	g/210L	g/210L
0.000	-0.000	0.0003
0.040	0.040	0.0004
0.100	0.102	-0.0015
0.200	0.199	0.0011
0.400	0.400	-0.0002

Sol Value = 0.080 g/210L ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3578.00
Sample #2 = 3689.00
Sample #3 = 3578.00
Sample #4 = 3633.00
Average Result = 3633.3333
STD DEV = 55.5008
REL STD DEV = 1.528
****
***** CHANNEL 2
Sample #1 = 3367.00
Sample #2 = 3410.00
Sample #3 = 3375.00
Sample #4 = 3377.00
Average Result = 3387.3333
STD DEV = 19.6554
REL STD DEV = 0.580
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1021
3 um H2O Adjust (mg/l*10,000) = 176
9 um H2O Adjust (mg/l*10,000) = 422
**** AUTO CAL PASS

Stability Tests - Manatee CSO #80-006559 1/6/16
Post-Calibration

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:06
Control Test	0.050	15:06
Air Blank	0.000	15:07
Control Test	0.049	15:07
Air Blank	0.000	15:08
Control Test	0.050	15:09
Air Blank	0.000	15:09
Control Test Stats		
Average	0.0497	
Std Dev	0.0006	
Rel Std Dev(%)	1.1625	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:11
Control Test	0.078	15:12
Air Blank	0.000	15:12
Control Test	0.079	15:13
Air Blank	0.000	15:13
Control Test	0.078	15:14
Air Blank	0.000	15:15
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:16
Control Test	0.200	15:17
Air Blank	0.000	15:17
Control Test	0.200	15:18
Air Blank	0.000	15:19
Control Test	0.200	15:19
Air Blank	0.000	15:20
Control Test Stats		
Average	0.2000	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

BK

Operator's Signature

MANATEE COUNTY SO
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-006559
01/06/2016
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:21
Control Test	0.078	15:21
Air Blank	0.000	15:22
Control Test	0.079	15:22
Air Blank	0.000	15:23
Control Test	0.078	15:23
Air Blank	0.000	15:24
Control Test Stats		
Average	0.0783	
Std Dev	0.0006	
Rel Std Dev(%)	0.7370	

DGS

Operator's Signature